# **WEST Search History**

Hide Items Restore Clear Cancel

DATE: Wednesday, January 19, 2005

Hide?	Set Name	Query	Hit Count
	DB=PGPB,	USPT,USOC,EPAB,JPAB,DWPI; PLUR=YI	ES; OP=ADJ
	L12	L6 and bacillus and ksm-ap1378	19
	L11	L8 not 14	58
	L10	L9 not 14	5
	L9	bacillus with 1378	10
	L8	L6 and bacillus and 1378	80
	L6	amylase with (gene or sequence)	5623
	L5	L4 not 12	21
	L4	L3 and 1378	22
	L3	L1 with (gene or sequence)	1837
	L2	L1 with 1378	1
	L1	amylase with bacillus	3653

END OF SEARCH HISTORY

Clear	Gener	ate OACS	7 40 103	Bkwd Refs
			000000	

**Search Results -** Record(s) 1 through 1 of 1 returned.

1. Document ID: US 6486113 B1

Using default format because multiple data bases are involved.

L2: Entry 1 of 1

File: USPT

Nov 26, 2002

US-PAT-NO: 6486113

DOCUMENT-IDENTIFIER: US 6486113 B1

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Mutant .alpha.-amylases

DATE-ISSUED: November 26, 2002

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hatada; Yuji	Tochigi			JP
Ikawa; Kaori	Tochigi			JP
Ito; Susumu	Tochigi	-		JP
Igarashi; Kazuaki	Tochigi	•		JP
Hagihara; Hiroshi	Tochigi			JP
Hayashi; Yasuhiro	Tochigi			JP
Araki; Hiroyuki	Tochigi			JP
Ozaki; Katsuya	Tochigi			JP

Full	litle Citation	Frent	Review	Classificatio:	n Date	Reference			C1a	ims Kw	C Drawu De
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	Terms		<u> </u>			Docu	ments				
	L1 with 137	78								1	

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### Search Results - Record(s) 1 through 10 of 21 returned.

1. Document ID: US 20040265959 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 21

File: PGPB

Dec 30, 2004

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040265959

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040265959 A1

TITLE: Highly productive alpha-amylases

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Araki, Hiroyuki	Tochigi		JP	
Endo, Keiji	Tochigi	*	JP	
Hagihara, Hiroshi	Tochigi		JP	
Igarashi, Kazuaki	Tochigi		JP	
Hayashi, Yasuhiro	Tochigi		JP	
Ozaki, Katsuya	Tochigi		JP	

US-CL-CURRENT: 435/69.1; 435/204, 435/252.3, 435/320.1, 510/320, 536/23.2

Fuil	Title	Citation F	rent	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw.De
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	2.	Document	t ID:	US 20	040249125	<b>A</b> 1						

File: PGPB

PGPUB-DOCUMENT-NUMBER: 20040249125

PGPUB-FILING-TYPE: new

L5: Entry 2 of 21

DOCUMENT-IDENTIFIER: US 20040249125 A1

TITLE: Outer membrane vesicle (omv) vaccine comprising n. meningitidis serogroup b

outer membrane proteins

PUBLICATION-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Pizza, Mariagrazia Siena IT

h eb bgeeef e ef be

Rappuoli, Rino

Siena

ΙT

Giuliani, Marzia Monica

Siena

IT

US-CL-CURRENT: 530/350

Full Title Citation Front	Review Classification	Date Reference	Sequences	Attachments	Claims	KWIC Draw De

3. Document ID: US 20040107461 A1

L5: Entry 3 of 21

File: PGPB

Jun 3, 2004

PGPUB-DOCUMENT-NUMBER: 20040107461

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040107461 A1

TITLE: Glucan chain length domains

PUBLICATION-DATE: June 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Commuri, Padma	Ankeny	IA	US	
Keeling, Peter L.	Ames	IA	US	
Ramirez, Nona	Ames	IA	US	
McKean, Angela	Ames	IA	US	
Gao, Zhong	Ames	IA	US	
Guan, Hanping	Ames	IA	US	

US-CL-CURRENT: 800/284; 435/101, 435/193, 435/320.1, 435/419, 435/69.1, 536/102,

536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC Draw	D∈
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	4.	Documer	nt ID:	US 20	040082028	<b>A</b> 1						

L5: Entry 4 of 21

File: PGPB

Apr 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040082028

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040082028 A1

TITLE: Pullulanase variants and methods for preparing such variants with

predetermined properties

PUBLICATION-DATE: April 29, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

DK Svendsen, Allan Birkerod

h e b b g ee e f e ef b е US-CL-CURRENT: 435/69.1; 435/18, 435/210, 435/325, 435/6, 702/19

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Da

5. Document ID: US 20040048247 A1

L5: Entry 5 of 21

File: PGPB

Mar 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040048247

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040048247 A1

TITLE: Pullulanase variants and methods for preparing such variants with

predetermined properties

PUBLICATION-DATE: March 11, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Svendsen, Allan Overdamsvej DK
Andersen, Carsten Hojeloft Vaenge DK
Borchert, Torben Vedel Biskop Svanes Vej DK

US-CL-CURRENT:  $\frac{435}{6}$ ;  $\frac{435}{210}$ ,  $\frac{435}{320.1}$ ,  $\frac{435}{325}$ ,  $\frac{435}{69.1}$ ,  $\frac{536}{23.2}$ ,  $\frac{703}{11}$ 

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

6. Document ID: US 20030166158 A1

L5: Entry 6 of 21 File: PGPB Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030166158

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030166158 A1

TITLE: NTR3, a novel member of the TNF-receptor supergene family

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Hsu, Hailing Moorpark CA US

US-CL-CURRENT: 435/69.5; 435/320.1, 435/325, 530/351, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWWC | Draw Da

7. Document ID: US 20030129718 A1

L5: Entry 7 of 21 File: PGPB Jul 10, 2003

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PGPUB-DOCUMENT-NUMBER: 20030129718

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030129718 A1

TITLE: Amylase variants

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

STATE COUNTRY RULE-47 CITY NAME

DK Andersen, Carsten Vaerlose Birkerod DK Borchert, Torben Vedel DK Nielsen, Bjarne Ronfeldt Virum

US-CL-CURRENT: 435/183; 510/392

Full Title Citation Front Review Classification Dat	e Reference Sequences Attachments	Claims   KMC   Draw De
8. Document ID: US 20020197698 A1		
L5: Entry 8 of 21	File: PGPB	Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020197698

PGPUB-FILING-TYPE: new

L5: Entry 8 of 21

DOCUMENT-IDENTIFIER: US 20020197698 A1

TITLE: Novel amylases

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hagihara, Hiroshi	Haga-gun		JP	
Kitayama, Kaori	Haga-gun		JP	
Hayashi, Yasuhiro	Haga-gun		JP	
Igarashi, Kazuaki	Haga-gun		JP	
Endo, Keiji	Haga-gun		JP	
Ozaki, Katsuya	Haga-gun		JP	

US-CL-CURRENT:  $\underline{435}/\underline{201}$ ;  $\underline{435}/\underline{320.1}$ ,  $\underline{435}/\underline{325}$ ,  $\underline{435}/\underline{69.1}$ ,  $\underline{536}/\underline{23.2}$ 

Full Title Citation Front Review Classification—Date	e -Reference -Sequences - Attac	hments Claims NMC Draw De
9. Document ID: US 20020123124 A1		
L5: Entry 9 of 21	File: PGPB	Sep 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020123124

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020123124 A1

TITLE: Highly productive alpha-amylases

PUBLICATION-DATE: September 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Araki, Hiroyuki	Haga-gun		JP	
Endo, Keiji	Haga-gun		JP	
Hagihara, Hiroshi	Haga-gun		JP	
Igarashi, Kazuaki	Haga-gun		JP	
Hayashi, Yasuhiro	Haga-gun		JP	
Ozaki, Katsuya	Haga-gun		JP	

US-CL-CURRENT:  $\underline{435/202}$ ;  $\underline{435/320.1}$ ,  $\underline{435/325}$ ,  $\underline{435/69.1}$ ,  $\underline{536/23.2}$ 

Full Title Citation Front Review Cla	ssification Date Reference Sequences	Attachments Claims KMC Draw De
		······································
10. Document ID: US 6838	3257 B2	
L5: Entry 10 of 21	File: USPT	Jan 4, 2005

US-PAT-NO: 6838257

DOCUMENT-IDENTIFIER: US 6838257 B2

TITLE: Pullulanase variants and methods for preparing such variants with

predetermined properties

Full Title Citation Front Review	Classification Date Reference	Claims (#ROMC# (Draw) D
		4
Clear Generate Collection	Print Fwd Refs Bkwd F	Refs Generate OACS
Terms	Documents	
L4 not L2		21

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Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 11 through 20 of 21 returned.

11. Document ID: US 6743616 B2

Using default format because multiple data bases are involved.

L5: Entry 11 of 21

File: USPT

Jun 1, 2004

US-PAT-NO: 6743616

DOCUMENT-IDENTIFIER: US 6743616 B2

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Highly productive alpha-amylases

DATE-ISSUED: June 1, 2004

INVENTOR-INFORMATION:

CITY	STATE	ZIP CODE	COUNTRY
Haga-gun		•	JP
Haga-gun			JP
	Haga-gun Haga-gun Haga-gun Haga-gun Haga-gun	Haga-gun Haga-gun Haga-gun Haga-gun Haga-gun	Haga-gun Haga-gun Haga-gun Haga-gun Haga-gun

US-CL-CURRENT: 435/202; 435/183, 435/200, 435/4, 435/6, 435/69.1, 510/114, 510/392, 510/515, 536/23.2, 536/23.7

Full	Title	Citation Front Review Classification Date Reference Claims KWC Draw De
***************************************		
	12.	Document ID: US 6656709 B1

12. 2000111011122. 02 0000000

L5: Entry 12 of 21

File: USPT

Dec 2, 2003

US-PAT-NO: 6656709

DOCUMENT-IDENTIFIER: US 6656709 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Methods of increasing the production of cobalamins using cob gene expression

Full Title	Citation Front	Review Classification	Date	Reference	Claims	KMC Draws De

13. Document ID: US 6599716 B1

L5: Entry 13 of 21

File: USPT

Jul 29, 2003

US-PAT-NO: 6599716

DOCUMENT-IDENTIFIER: US 6599716 B1

TITLE: Nucleic acids encoding NTR3, a member of the TNF-receptor supergene family

Full Title Citation Front Review Classification Date Reference Claims KWC Draw D.

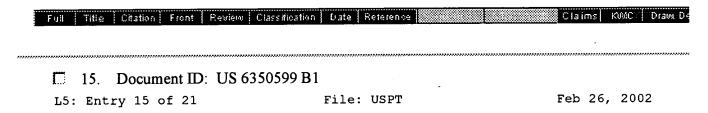
14. Document ID: US 6403355 B1

L5: Entry 14 of 21 File: USPT Jun 11, 2002

US-PAT-NO: 6403355

DOCUMENT-IDENTIFIER: US 6403355 B1

TITLE: Amylases



US-PAT-NO: 6350599

DOCUMENT-IDENTIFIER: US 6350599 B1

TITLE: Pullulanase variants and methods for preparing such variants with

predetermined properties

Full Title Citation Front Review Classific	ation Date Reference	Claims   KWAC   Draw Do
16. Document ID: US 628118	1 B1	
L5: Entry 16 of 21	File: USPT	Aug 28, 2001

US-PAT-NO: 6281181

DOCUMENT-IDENTIFIER: US 6281181 B1

TITLE: Light-duty liquid or gel dishwashing detergent compositions comprising mid-

chain branched surfactants

Full Title Citation Front Review Classification	Date Reference	Claims KMC Draw Di
17. Document ID: US 6162628 A		
L5: Entry 17 of 21	File: USPT	Dec 19, 2000

US-PAT-NO: 6162628

DOCUMENT-IDENTIFIER: US 6162628 A

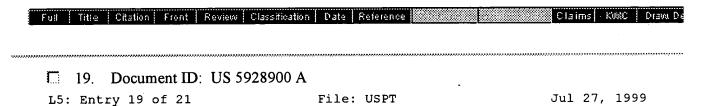
TITLE: Maltogenic alpha-amylase variants

Full Title Chation Front Review Classification Date Reference Claims KW6C Drawa Do

US-PAT-NO: 5981229

DOCUMENT-IDENTIFIER: US 5981229 A

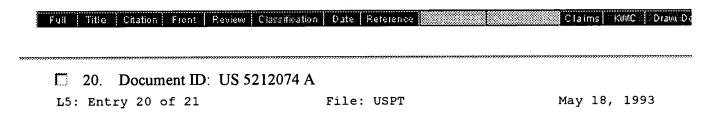
TITLE: Bacterial exported proteins and acellular vaccines based thereon



US-PAT-NO: 5928900

DOCUMENT-IDENTIFIER: US 5928900 A

TITLE: Bacterial exported proteins and acellular vaccines based thereon



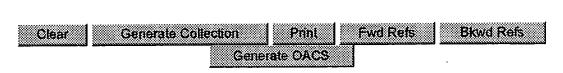
US-PAT-NO: 5212074

DOCUMENT-IDENTIFIER: US 5212074 A

TITLE: Genetic material encoding new insulin-like growth factor binding protein

IGFBP-6

Full Title Citation Front	Review Classification D	Date Reference Claims KARC Dra	им De
Clear Generate Coll	ection Print	Fwd Refs Bkwd Refs Generale OACS	
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L4 not L2		21	



Search Results - Record(s) 21 through 21 of 21 returned.

21. Document ID: JP 08336392 A

Using default format because multiple data bases are involved.

L5: Entry 21 of 21

File: JPAB

Dec 24, 1996

PUB-NO: JP408336392A

DOCUMENT-IDENTIFIER: JP 08336392 A

TITLE: LIQUEFIED-TYPE ALKALI ALPHA-AMYLASE GENE

PUBN-DATE: December 24, 1996

INVENTOR-INFORMATION:

NAME

COUNTRY

HATADA, YUUJI OZAKI, KATSUYA ARA, KATSUTOSHI KAWAI, SHUJI

ITO, SUSUMU

INT-CL (IPC): C12 N 15/09; C12 N 9/28

Full T	itle Citation	Frent R	eview Cla	esification	Date	Referen	06				Claims	KWAC	Drawa De
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	Terms				Do	cumen	ts						
	L4 not L2		·									21	

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Generate OACS

Search Results - Record(s) 11 through 19 of 19 returned.

11. Document ID: US 6638748 B2

Using default format because multiple data bases are involved.

L12: Entry 11 of 19

File: USPT

Oct 28, 2003

US-PAT-NO: 6638748

DOCUMENT-IDENTIFIER: US 6638748 B2

TITLE: Gene encoding alkaline liquifying alpha-amylase

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

ZIP CODE COUNTRY CITY STATE NAME Tochigi JΡ Hatada; Yuji JP Tochigi Ozaki; Katsuya JΡ Ara; Katsutoshi Tochigi JP Kawai; Shuji Tochigi Tochigi JP Ito; Susumu

US-CL-CURRENT: 435/202; 435/252.3, 435/252.33, 435/320.1, 536/23.2

Full Title Citation Front Review Classification Date Reference Claims NAC Draw De Claims

US-PAT-NO: 6623948

DOCUMENT-IDENTIFIER: US 6623948 B1

TITLE: Nucleic acid <u>sequences</u> encoding alkaline alpha-amylases

Full—Title—Citation Front Review Classification Date Reference Claims RMC Draw Do

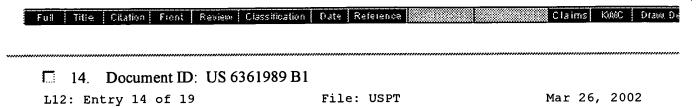
13. Document ID: US 6528298 B1

L12: Entry 13 of 19 File: USPT Mar 4, 2003

US-PAT-NO: 6528298

DOCUMENT-IDENTIFIER: US 6528298 B1

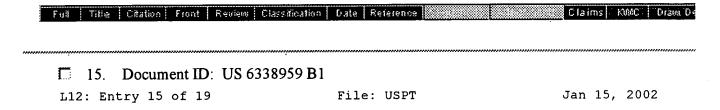
TITLE: .alpha.-amylase mutants



US-PAT-NO: 6361989

DOCUMENT-IDENTIFIER: US 6361989 B1

TITLE: .alpha.-amylase and .alpha.-amylase variants



US-PAT-NO: 6338959

DOCUMENT-IDENTIFIER: US 6338959 B1

TITLE: Gene for enzyme having both alkaline pullulanase and alkaline .alpha. -

<u>amylase</u> activities

Full Title Citation Front Review Classification	Date Reference	Claims	KUUC Draw De
16. Document ID: US 6309871 B			
		0	0001
L12: Entry 16 of 19	File: USPT	Oct 30,	, 2001

US-PAT-NO: 6309871

DOCUMENT-IDENTIFIER: US 6309871 B1

TITLE: Polypeptides having alkaline .alpha.-amylase activity

Full   Title   Citation   Front   Review   Cla	esification Date Reference	Claims KWC Draw De
☐ 17. Document ID: US 5635		
L12: Entry 17 of 19	File: USPT	Jun 3, 1997

US-PAT-NO: 5635468

DOCUMENT-IDENTIFIER: US 5635468 A

TITLE: Liquefying alkaline .alpha.-amylase, process for producing the same, and

detergent composition containing the same

|--|

<u> </u>	12	Document ID:	JP 2002112792	A
1	10.	Document ID.	JF 2002112/72	$\boldsymbol{\Lambda}$

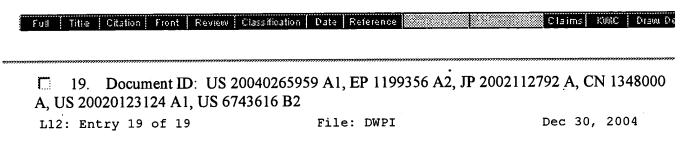
L12: Entry 18 of 19

File: JPAB

Apr 16, 2002

PUB-NO: JP02002112792A

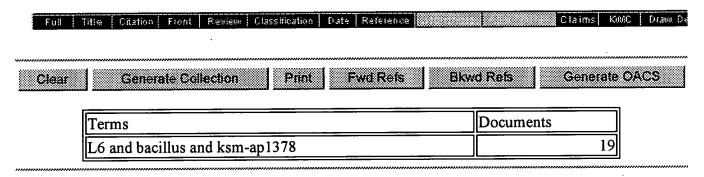
DOCUMENT-IDENTIFIER: JP 2002112792 A TITLE: HIGHLY PRODUCTIVE  $\alpha$ -AMYLASE



DERWENT-ACC-NO: 2002-354203

DERWENT-WEEK: 200503
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TITLE: New mutant alpha-amylase, useful in detergent compositions, comprises increased productivity when prepared recombinantly and better resistance to heat



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